



SEQUENCE LISTING

<110> Krupp, Guido

<120> Detection of nucleic acid amplified products

<130> 66741-013

<140> 09/937,519

<141> 2002-03-05

<150> PCT/EP99/07127

<151> 1999-09-27

<150> DE 199 15 141.5

<151> 1999-03-26

<160> 202

<170> PatentIn Ver. 2.1

<210> 1

<211> 4

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the molecule of DNA/RNA combination:
artificial DNA sequence

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 1

gaaa

4

<210> 2

<211> 7

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 2

cuganga

7

<210> 3

<211> 14

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
DNA sequence

<400> 3

tccgagccgg wcgr

14

<210> 4

<211> 16

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
DNA sequence

<400> 4

rggctagcha caacga

16

<210> 5

<211> 13

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 5

ggaaucgaaa cgc

13

<210> 6

<211> 32

<212> DNA

<213> artificial sequence

<220>

<221> modified_base

<222> (24)..(25)

<223> modified nucleotide at position 24:
Pyridin-4-one (cf. Burgin et al., 1996)

<220>

<223> Description of the artificial sequence: artificial
RNA/DNA sequence

<220>
<221> modified_base
<222> (27)..(28)
<223> modified nucleotide at position 27:
Pyridin-4-one (cf. Burgin et al., 1996)

<400> 6
gcgtctagcg gaaacgctac tgangagatt cc 32

<210> 7
<211> 22
<212> DNA
<213> artificial sequence

<220>
<220>
<223> Description of the artificial sequence: artificial
RNA sequence

<400> 7
gcagcuaugg aaayguuaaa ag 22

<210> 8
<211> 40
<212> DNA
<213> artificial sequence

<220>
<220>
<223> Description of the artificial sequence: artificial
RNA/DNA sequence

<220>
<221> modified_base
<222> (29)..(30)
<223> modified nucleotide at position 29:
Pyridin-4-one (cf. Burgin et al., 1996)

<400> 8
ttttaacruc tagcggaaac gctactgang acatagctgc 40

<210> 9
<211> 54
<212> DNA
<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: primer

<400> 9

aattctaata cgactcacta taggggtgcta tgtcacttcc ccttggttct ctca 54

<210> 10

<211> 46

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: primer

<400> 10

gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46

<210> 11

<211> 28

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 11

tgaaucgaaa cgcgaaagcg ucuagcgu 28

<210> 12

<211> 46

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: primer

<400> 12

gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46

<210> 13

<211> 15

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 13

tacguagucc gugcu

15

<210> 14

<211> 13

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: primer

<400> 14

gcgtttcgat tcc

13

<210> 15

<211> 142

<212> DNA

<213> Human immunodeficiency virus type 1

<220>

<400> 15

agtgggggga catcaagcag ctatgcaaac gttaaaagat actatcaatg aggaagctgc 60

agaatggggac aggtacatc cagtacatgc agggcctatt ccaccaggcc agatgagaga 120

accaagggga agtgacatag ca 142

<210> 16

<211> 24

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
DNA sequence

<400> 16

agcagctatg gaaaygttaa aaga

24

<210> 17

<211> 54

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: primer

<400> 17

aattctaata cgactcacta tagggagtgg ggggacatca agcagctatg gaaa 54

<210> 18

<211> 42

<212> DNA

<213> artificial sequence

<220>

<220>

<223> Description of the artificial sequence: artificial
RNA sequence

<400> 18

gggagtgggg ggacatcaag cagctatgga aayguaaaa ga 42

<210> 19

<211> 24

<212> DNA

<213> Escherichia coli

<220>

<400> 19

taatgtctgg gaaactgcct gatg 24

<210> 20

<211> 24

<212> DNA

<213> Escherichia coli

<220>

<400> 20

ataactactg gaaacggtag ctaa 24

<210> 21

<211> 24

<212> DNA

<213> Escherichia coli

<220>

<400> 21

agtcagatgt gaaatccccg ggct 24

<210> 22
<211> 24
<212> DNA
<213> Escherichia coli

<220>

<400> 22
gtgtagcggg gaaatgCGta gaga 24

<210> 23
<211> 24
<212> DNA
<213> Escherichia coli

<220>

<400> 23
gctcaggtgc gaaagcgtgg ggag 24

<210> 24
<211> 24
<212> DNA
<213> Escherichia coli

<220>

<400> 24
ctcgtgttgt gaaatgttgg gtta 24

<210> 25
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 25
taatgtctgg gaaactgcct gatg 24

<210> 26
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 26

ataactactg gaaacggtgg ctaa 24

<210> 27
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 27
agtcggatgt gaaatccccg ggct 24

<210> 28
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 28
aactgcattc gaaactggca ggct 24

<210> 29
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 29
gtgtagcggg gaaatgcgta gaga 24

<210> 30
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 30
gctcaggtgc gaaagcgtgg ggag 24

<210> 31
<211> 24
<212> DNA
<213> Salmonella typhimurium

<220>

<400> 31

ctcgtgttgt gaaatgtcgg gtta 24

<210> 32
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 32
ataacttcgg gaaaccggag ctaa 24

<210> 33
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 33
gttcaaaagt gaaagacggt cttg 24

<210> 34
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 34
cgcaatgggc gaaagcctga cgga 24

<210> 35
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 35
tacctaataca gaaagccacg gcta 24

<210> 36
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 36

agtctgatgt gaaagcccac ggct 24

<210> 37
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 37
agggtcattg gaaactggaa aact 24

<210> 38
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 38
ttggaaactg gaaaacttga gtgc 24

<210> 39
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 39
tgcagaagag gaaagtggaa ttcc 24

<210> 40
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 40
gtgtagcggg gaaatgcgca gaga 24

<210> 41
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 41

gctgatgtgc gaaagcgtgg ggat 24

<210> 42
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 42
ccgcaaggtt gaaactcaaa ggaa 24

<210> 43
<211> 24
<212> DNA
<213> Staphylococcus aureus

<220>

<400> 43
aaagggcagc gaaaccgcga ggtc 24

<210> 44
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 44
tttccttcgg gaaacggatt agcg 24

<210> 45
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 45
atagccttcc gaaaggaaga ttaa 24

<210> 46
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 46

tcataatggt gaaagatggc atca 24

<210> 47
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 47
agggtcattg gaaactggaa aact 24

<210> 48
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 48
agtgggatgt gaaatacccg ggct 24

<210> 49
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 49
gtgtagcggg gaaatgcgta gaga 24

<210> 50
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 50
gctgaggctc gaaagcgtgg ggag 24

<210> 51
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 51

ottaatcgag gaaatccttc gggg 24

<210> 52
<211> 24
<212> DNA
<213> Clostridium perfringens

<220>

<400> 52
attgtaggct gaaactcgcc taca 24

<210> 53
<211> 24
<212> DNA
<213> Vibrio parahaemolyticus

<220>

<400> 53
aagtcgagcg gaaacgagtt atct 24

<210> 54
<211> 24
<212> DNA
<213> Vibrio parahaemolyticus

<220>

<400> 54
taatgcctag gaaattgccc tgat 24

<210> 55
<211> 24
<212> DNA
<213> Vibrio parahaemolyticus

<220>

<400> 55
ataaccattg gaaacgatgg ctaa 24

<210> 56
<211> 24
<212> DNA
<213> Vibrio parahaemolyticus

<220>

<400> 56

agtcagatgt gaaagcccgg ggct 24

<210> 57
<211> 24
<212> DNA
<213> *Vibrio parahaemolyticus*

<220>

<400> 57
nattgcattt gaaactggca gact 24

<210> 58
<211> 24
<212> DNA
<213> *Vibrio parahaemolyticus*

<220>

<400> 58
gtgtagcggg gaaatgcgta gaga 24

<210> 59
<211> 24
<212> DNA
<213> *Vibrio parahaemolyticus*

<220>

<400> 59
ctcgtgttgt gaaatgttgg gtta 24

<210> 60
<211> 24
<212> DNA
<213> *Vibrio parahaemolyticus*

<220>

<400> 60
gccaaacttgc gaaagtgagc gaat 24

<210> 61
<211> 24
<212> DNA
<213> *Bacillus cereus*

<220>

<400> 61

ataactccgg gaaaccgggg ctaa

24

<210> 62

<211> 24

<212> DNA

<213> *Bacillus cereus*

<220>

<400> 62

cgcatgggtc gaaattgaaa ggcg

24

<210> 63

<211> 24

<212> DNA

<213> *Bacillus cereus*

<220>

<400> 63

cgcaatggac gaaagtctga cgga

24

<210> 64

<211> 24

<212> DNA

<213> *Bacillus cereus*

<220>

<400> 64

tacctaacca gaaagccacg gcta

24

<210> 65

<211> 24

<212> DNA

<213> *Bacillus cereus*

<220>

<400> 65

agtctgatgt gaaagcccac ggct

24

<210> 66

<211> 24

<212> DNA

<213> *Bacillus cereus*

<220>

<400> 66

agggtcattg gaaactggga gact 24

<210> 67
<211> 24
<212> DNA
<213> *Bacillus cereus*

<220>

<400> 67
tgcagaagag gaaagtggaa ttcc 24

<210> 68
<211> 24
<212> DNA
<213> *Bacillus cereus*

<220>

<400> 68
gtgtagcggt gaaatgcgta gaga 24

<210> 69
<211> 24
<212> DNA
<213> *Bacillus cereus*

<220>

<400> 69
actgaggcgc gaaagcgtgg ggag 24

<210> 70
<211> 24
<212> DNA
<213> *Bacillus cereus*

<220>

<400> 70
ccgcaaggct gaaactcaaa ggaa 24

<210> 71
<211> 24
<212> DNA
<213> *Clostridium botulinum*

<220>

<400> 71

atagccttcc gaaaggaaga ttaa 24

<210> 72
<211> 24
<212> DNA
<213> Clostridium botulinum

<220>

<400> 72
cgcaatgggg gaaaccctga cgca 24

<210> 73
<211> 24
<212> DNA
<213> Clostridium botulinum

<220>

<400> 73
agtgggatgt gaaatccccg ggct 24

<210> 74
<211> 24
<212> DNA
<213> Clostridium botulinum

<220>

<400> 74
tgcaggagag gaaagcggaa ttcc 24

<210> 75
<211> 24
<212> DNA
<213> Clostridium botulinum

<220>

<400> 75
gtgtagcggg gaaatgcgta gaga 24

<210> 76
<211> 24
<212> DNA
<213> Clostridium botulinum

<220>

<400> 76

gctgaggcac gaaagcgtgg gtag 24

<210> 77
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 77
acaacagttg gaaacgactg ctaa 24

<210> 78
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 78
gttgagtagg gaaagttttt cggt 24

<210> 79
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 79
cgcaatgggg gaaaccctga cgca 24

<210> 80
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 80
agtctcttgt gaaatctaata ggct 24

<210> 81
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 81

aactgcttg gaaactgata gtct 24

<210> 82
<211> 24
<212> DNA
<213> Campylobacter jejuni

<220>

<400> 82
gctaaggcgc gaaagcgtgg ggag 24

<210> 83
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 83
taatgtctgg gaaactgcct gatg 24

<210> 84
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 84
ataactactg gaaacggtag ctaa 24

<210> 85
<211> 25
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 85
cagtcagatg tgaaatcccc gcgct 25

<210> 86
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 86

aactgcattt gaaactggca agct 24

<210> 87
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 87
gtgtagcggg gaaatgcgta gaga 24

<210> 88
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 88
gctcaggtgc gaaagcgtgg ggag 24

<210> 89
<211> 24
<212> DNA
<213> Yersinia enterocolitica

<220>

<400> 89
ctcgtgttgt gaaatgttgg gtta 24

<210> 90
<211> 24
<212> DNA
<213> Listeria monocytogenes

<220>

<400> 90
ataactccgg gaaaccgggg ctaa 24

<210> 91
<211> 24
<212> DNA
<213> Listeria monocytogenes

<220>

<400> 91

ccacgctttt gaaagatggg ttcg 24

<210> 92
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 92
cgcaatggac gaaagtctga cgga 24

<210> 93
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 93
tatctaacca gaaagccacg gcta 24

<210> 94
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 94
agtctgatgt gaaagccccc ggct 24

<210> 95
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 95
agggtcattg gaaactggaa gact 24

<210> 96
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 96

gtgtagcggg gaaatgcgta gata 24

<210> 97
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 97
gctgaggcgc gaaagcgtgg ggag 24

<210> 98
<211> 24
<212> DNA
<213> *Listeria monocytogenes*

<220>

<400> 98
ccgcaagggtt gaaactcaaa ggaa 24

<210> 99
<211> 24
<212> DNA
<213> *Staphylococcus epidermidis*

<220>

<400> 99
ataacttcgg gaaaccggag ctaa 24

<210> 100
<211> 24
<212> DNA
<213> *Staphylococcus epidermidis*

<220>

<400> 100
gttcaatagt gaaagacggg ttg 24

<210> 101
<211> 24
<212> DNA
<213> *Staphylococcus epidermidis*

<220>

<400> 101

cgcaatgggc gaaagcctga cgga 24

<210> 102
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 102
tacctaataca gaaagccacg gcta 24

<210> 103
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 103
agtctgatgt gaaagccac ggct 24

<210> 104
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 104
agggtcattg gaaactggaa aact 24

<210> 105
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 105
ttggaaactg gaaaacttga gtgc 24

<210> 106
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 106

tgcagaagag gaaagtggaa ttcc 24

<210> 107
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 107
gtgtagcggg gaaatgcgca gaga 24

<210> 108
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 108
gctgatgtgc gaaagcgtgg ggat 24

<210> 109
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 109
ccgcaagggtt gaaactcaaa ggaa 24

<210> 110
<211> 24
<212> DNA
<213> Staphylococcus epidermidis

<220>

<400> 110
aaagggtagc gaaaccgcga ggac 24

<210> 111
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 111

ataactattg gaaacgatag ctaa 24

<210> 112
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 112
tgtgagagtg gaaagttcac actg 24

<210> 113
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 113
tatcttacca gaaagggacg gcta 24

<210> 114
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 114
gtaggctttg gaaactgttt aact 24

<210> 115
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 115
gtgtagcggg gaaatgcgta gata 24

<210> 116
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 116

caccggtggc gaaagcggct ctct 24

<210> 117
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 117
gctgaggctc gaaagcgtgg ggag 24

<210> 118
<211> 24
<212> DNA
<213> Streptococcus pneumoniae

<220>

<400> 118
ccgcaagggtt gaaactcaaa ggaa 24

<210> 119
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 119
ataactattg gaaacgatag ctaa 24

<210> 120
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 120
ggtgggagtg gaaaatccac caag 24

<210> 121
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 121

taactaacca gaaagggacg gcta 24

<210> 122
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 122
gtacgctttg gaaactggag aact 24

<210> 123
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 123
gtgtagcggg gaaatgcgta gata 24

<210> 124
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 124
caccggtggc gaaagcggct ctct 24

<210> 125
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 125
gctgaggctc gaaagcgtgg ggag 24

<210> 126
<211> 24
<212> DNA
<213> Streptococcus pyogenes

<220>

<400> 126

ccgcaagggtt gaaactcaaa ggaa 24

<210> 127
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 127
cactcaattg gaaagaggag tggc 24

<210> 128
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 128
ataacacttg gaaacaggtg ctaa 24

<210> 129
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 129
gcataagagt gaaaggcgct ttcg 24

<210> 130
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 130
ggcaatggac gaaagtctga ccga 24

<210> 131
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 131

tatctaacca gaaagccacg gcta 24

<210> 132
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 132
agtctgatgt gaaagccccc ggct 24

<210> 133
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 133
agggtcattg gaaactggga gact 24

<210> 134
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 134
gtgtagcggg gaaatgcgta gata 24

<210> 135
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 135
gctgaggctc gaaagcgtgg ggag 24

<210> 136
<211> 24
<212> DNA
<213> Enterococcus faecalis

<220>

<400> 136

ccgcaaggtt gaaactcaaa ggaa 24

<210> 137
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 137
ataactgatc gaaagatcag ctaa 24

<210> 138
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 138
tcttgagaga gaaagcaggg gacc 24

<210> 139
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 139
tgtcagggaa gaaaaggctg ttgc 24

<210> 140
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 140
agcaggatgt gaaatccccg ggct 24

<210> 141
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 141

gtgtagcagt gaaatgcgta gaga 24

<210> 142
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 142
gttcatgccc gaaagcgtgg gtag 24

<210> 143
<211> 24
<212> DNA
<213> Neisseria meningitidis

<220>

<400> 143
gctaacgcgt gaaattgacc gcct 24

<210> 144
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 144
taatgtctgg gaaactgccg atgg 24

<210> 145
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 145
ataactactg gaaacggtag ctaa 24

<210> 146
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 146

aagtcgatgt gaaatccccg ggct 24

<210> 147
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 147
aactgcattg gaaactggca gctt 24

<210> 148
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 148
gtgtagcggg gaaatgcgta gaga 24

<210> 149
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 149
gctcaggtgc gaaagcgtgg ggag 24

<210> 150
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<220>

<400> 150
ctcgtgttgt gaaatgttgg gtta 24

<210> 151
<211> 24
<212> DNA
<213> Proteus vulgaris

<220>

<400> 151

ggtaacagga gaaagcttgc tttc

24

<210> 152

<211> 24

<212> DNA

<213> Proteus vulgaris

<220>

<400> 152

ataactactg gaaacggtgg ctaa

24

<210> 153

<211> 24

<212> DNA

<213> Proteus vulgaris

<220>

<400> 153

agtcagatgt gaaagccccg agct

24

<210> 154

<211> 24

<212> DNA

<213> Proteus vulgaris

<220>

<400> 154

aactgcatct gaaactggct ggct

24

<210> 155

<211> 24

<212> DNA

<213> Proteus vulgaris

<220>

<400> 155

gtgtagcggt gaaatgcgta gaga

24

<210> 156

<211> 24

<212> DNA

<213> Proteus vulgaris

<220>

<400> 156

gctcaggtgc gaaagcgtgg ggac 24

<210> 157
<211> 24
<212> DNA
<213> *Proteus vulgaris*

<220>

<400> 157
tcgttggtgt gaaatggttg gtta 24

<210> 158
<211> 24
<212> DNA
<213> *Pseudomonas aeruginosa*

<220>

<400> 158
ataacgtccg gaaacggccg ctaa 24

<210> 159
<211> 24
<212> DNA
<213> *Pseudomonas aeruginosa*

<220>

<400> 159
tcctgagggg gaaagtcggg gatc 24

<210> 160
<211> 24
<212> DNA
<213> *Pseudomonas aeruginosa*

<220>

<400> 160
agcttgatgt gaaatccccg ggct 24

<210> 161
<211> 24
<212> DNA
<213> *Pseudomonas aeruginosa*

<220>

<400> 161

gtgtagcggt gaaatgcgta gata 24

<210> 162
<211> 24
<212> DNA
<213> *Pseudomonas aeruginosa*

<220>

<400> 162
actgaggtgc gaaagcgtgg ggag 24

<210> 163
<211> 24
<212> DNA
<213> *Pseudomonas fluorescens*

<220>

<400> 163
ataacgttcg gaaacggacg ctaa 24

<210> 164
<211> 24
<212> DNA
<213> *Pseudomonas fluorescens*

<220>

<400> 164
tcctacggga gaaagcaggg gacc 24

<210> 165
<211> 24
<212> DNA
<213> *Pseudomonas fluorescens*

<220>

<400> 165
gacaatgggc gaaagcctga tcca 24

<210> 166
<211> 24
<212> DNA
<213> *Pseudomonas fluorescens*

<220>

<400> 166

agttggatgt gaaatccccg ggct 24

<210> 167
<211> 24
<212> DNA
<213> Pseudomonas fluorescens

<220>

<400> 167
gtgtagyggg gaaatgcgtt gata 24

<210> 168
<211> 24
<212> DNA
<213> Pseudomonas fluorescens

<220>

<400> 168
actgaggtgc gaaagcgtgg ggag 24

<210> 169
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 169
ataacgttcc gaaaggaacg ctaa 24

<210> 170
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 170
tcctacggga gaaagcangg gacc 24

<210> 171
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 171

gacaatgggc gaaagcctna tcca 24

<210> 172
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 172
agttggatgt gaaagccccg ggct 24

<210> 173
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 173
gtgtagcggg gaaatgcgta gata 24

<210> 174
<211> 24
<212> DNA
<213> Pseudomonas mendocina

<220>

<400> 174
actgaggtgc gaaagcgtgg ggag 24

<210> 175
<211> 24
<212> DNA
<213> Pseudomonas syringae

<220>

<400> 175
ataacgctcg gaaacggacg ctaa 24

<210> 176
<211> 24
<212> DNA
<213> Pseudomonas syringae

<220>

<400> 176

tcctacggga gaaagcaggg gacc 24

<210> 177
<211> 24
<212> DNA
<213> *Pseudomonas syringae*

<220>

<400> 177
gacaatgggc gaaagcctga tcca 24

<210> 178
<211> 24
<212> DNA
<213> *Pseudomonas syringae*

<220>

<400> 178
agttgaatgt gaaatccccg ggct 24

<210> 179
<211> 24
<212> DNA
<213> *Pseudomonas syringae*

<220>

<400> 179
gtgtagcggg gaaatgcgta gata 24

<210> 180
<211> 24
<212> DNA
<213> *Pseudomonas syringae*

<220>

<400> 180
actgaggtgc gaaagcgtgg ggag 24

<210> 181
<211> 24
<212> DNA
<213> *Haemophilus influenzae*

<220>

<400> 181

ggtagcagga gaaagcttgc tttc 24

<210> 182
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 182
ataactactg gaaacggtag ctaa 24

<210> 183
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 183
taaagggggc gaaagctggt gcc 24

<210> 184
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 184
cgcaatgggg gaaaccctga tgca 24

<210> 185
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 185
agtgaggtgt gaaagccctg ggct 24

<210> 186
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 186

gtgtagcggg gaaatgcgta gaga 24

<210> 187
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 187
gctcatgtgt gaaagcgtgg ggag 24

<210> 188
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 188
ctcgtgttgt gaaatgttgg gttt 24

<210> 189
<211> 24
<212> DNA
<213> Haemophilus influenzae

<220>

<400> 189
gcgaatctca gaaagtgcatt ctaa 24

<210> 190
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 190
ataactacgg gaaactgtat ctaa 24

<210> 191
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 191

cacaatgggg gaaaccctga tgca 24

<210> 192
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 192
agtgagatgt gaaagccccg ggct 24

<210> 193
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 193
gtgtagcggg gaaatgcgta gaga 24

<210> 194
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 194
gctcatgtgc gaaagcgtgg ggag 24

<210> 195
<211> 24
<212> DNA
<213> Haemophilus ducreyi

<220>

<400> 195
ctcgtgttgt gaaatgttgg gttt 24

<210> 196
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 196

atagcctttc gaaagaaaga ttaa 24

<210> 197
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 197
agtcagttgt gaaagtttgc ggct 24

<210> 198
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 198
aattgcagtt gaaactggca gtct 24

<210> 199
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 199
gtgtagcggg gaaatgctta gata 24

<210> 200
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 200
actgatgctc gaaagtgtgg gtat 24

<210> 201
<211> 24
<212> DNA
<213> Bacteroides acidofaciens

<220>

<400> 201

cggcaacggt gaaactcaaa ggaa

24

<210> 202

<211> 24

<212> DNA

<213> Bacteroides acidofaciens

<220>

<400> 202

gaataacgtg gaaacatggt agcc

24